

What is claimed is:

1 1. An ignition device for bus connection, of a type in which a plurality of the ignition
2 devices are connected to an ignition control system via a common bus, and the ignition
3 devices are selectively operable by means of electrical energy and an electrical signal
4 supplied from the ignition control system,

5 wherein the ignition device comprises:

6 an ignition package integrally comprising a communication/ignition circuit provided
7 on a silicon chip and an ignition element provided on another silicon chip.

1 2. An ignition device for bus connection, of a type in which a plurality of the ignition
2 devices are connected to an ignition control system via a common bus, and the ignition
3 devices are selectively operable by means of electrical energy and an electrical signal
4 supplied from the ignition control system,

5 wherein the ignition device comprises:

6 an ignition package integrally comprising a communication/ignition circuit provided
7 on a silicon chip and an ignition element also provided on the silicon chip.

1 3. The ignition device for bus connection according to Claim 1, wherein the ignition
2 package is used as a header of the ignition device.

1 4. The ignition device for bus connection according to Claim 2, wherein the ignition
2 package is used as a header of the ignition device.

1 5. The ignition device for bus connection according to Claim 1, wherein the ignition
2 element is disposed on an outer surface of the ignition package in contact with an igniting
3 agent.

1 6. The ignition device for bus connection according to Claim 2, wherein the ignition
2 package has an opening defined therein, and said ignition element is disposed in said
3 opening in contact with an igniting agent.

1 7. The ignition device for bus connection according to Claim 1, wherein the ignition
2 package further comprises a synthetic resin having said communication/ignition circuit and
3 said ignition element embedded therein.

1 8. The ignition device for bus connection according to Claim 2, wherein the ignition
2 package further comprises a synthetic resin having said communication/ignition circuit and
3 said ignition element embedded therein.

1 9. The ignition device for bus connection according to Claim 1, wherein the ignition
2 said communication/ignition circuit and said ignition element are electrically connected
3 within said ignition package.

1 10. The ignition device for bus connection according to Claim 2, wherein the ignition
2 said communication/ignition circuit and said ignition element are electrically connected
3 within said ignition package.

1 11. The ignition device for bus connection according to Claim 1, further comprising pins
2 which electrically connect the ignition package to the common bus, said pins being
3 electrically connected to said communication/ignition circuit.

1 12. The ignition device for bus connection according to Claim 2, further comprising pins
2 which electrically connect the ignition package to the common bus, said pins being
3 electrically connected to said communication/ignition circuit.